

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 : B24B	A2	(11) International Publication Number: WO 00/32353 (43) International Publication Date: 8 June 2000 (08.06.00)
(21) International Application Number: PCT/GB99/04014 (22) International Filing Date: 1 December 1999 (01.12.99) (30) Priority Data: 9826369.2 1 December 1998 (01.12.98) GB 9826371.8 1 December 1998 (01.12.98) GB 9826372.6 1 December 1998 (01.12.98) GB (71) Applicant (for all designated States except US): OPTICAL GENERICS LIMITED [GB/GB]; 130 Granville Road, London NW2 2LN (GB). (72) Inventors; and (75) Inventors/Applicants (for US only): BINGHAM, Richard [GB/GB]; 29 Millington Road, Cambridge CB3 9HW (GB). RILEY, David, Charles [GB/GB]; 6 Thomas Avenue, Radcliffe on Trent, Nottingham NG12 2HT (GB). (74) Agents: BERESFORD, Keith, Denis, Lewis et al.; Beresford & Co., 2-5 Warwick Court, High Holborn, London WC1R 5DJ (GB).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>Without international search report and to be republished upon receipt of that report.</i>
(54) Title: A POLISHING MACHINE AND METHOD		
(57) Abstract <p>A machine for abrading or polishing a work-piece comprises a holding surface holding the work-piece, a head member arranged along a rotation axis to rotate about the rotation axis, a working member having a surface for abrading or polishing the workpiece arranged on the head member on the rotational axis for rotation about the rotation axis with the head member, a first driving arrangement for driving a head member and the working member mounted thereon to rotate about the rotation axis, a head mounting arrangement for mounting the head member, a second driving arrangement for driving the head mounting arrangement to incline the rotation axis of the head member relative to a precession axis intersecting the rotation axis, and for moving the head member to inclined positions with the rotation axis precessed about the precession axis, and a third driving arrangement for relatively moving the head mounting arrangement across the holding surface.</p>		